



NXP Semiconductors / Freescale

MPC566CZP56

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | MPC566CZP56                                                                                                          |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                                       |
| Product description | IC MCU 32BIT 1MB FLASH 388BGA                                                                                        |
| Datasheets:         |  MPC566CZP56.pdf                    |
| RoHs Status         |  Contains lead / RoHS non-compliant |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

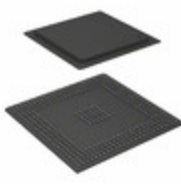
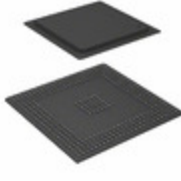
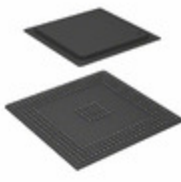
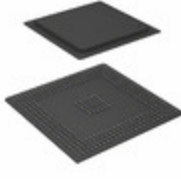
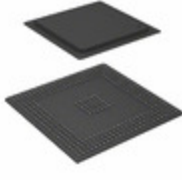
Specifications of MPC566CZP56

|                                  |                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MPC566CZP56                                                                                         |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 1MB FLASH 388BGA                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                  |
| DATA SHEET                       |  MPC566CZP56.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.5 V ~ 2.7 V                                                                                       |
| SUPPLIER DEVICE PACKAGE          | 388-PBGA (27x27)                                                                                    |
| SPEED                            | 56MHz                                                                                               |
| SERIES                           | MPC5xx                                                                                              |
| RAM SIZE                         | 36K x 8                                                                                             |
| PROGRAM MEMORY TYPE              | FLASH                                                                                               |
| PROGRAM MEMORY SIZE              | 1MB (1M x 8)                                                                                        |
| PERIPHERALS                      | POR, PWM, WDT                                                                                       |
| PACKAGING                        | Tray                                                                                                |
| PACKAGE / CASE                   | 388-BBGA                                                                                            |
| OTHER NAMES                      | 935309526557                                                                                        |
| OSCILLATOR TYPE                  | External                                                                                            |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                   |
| NUMBER OF I/O                    | 56                                                                                                  |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Contains lead / RoHS non-compliant                                                                  |
| EEPROM SIZE                      | -                                                                                                   |
| DETAILED DESCRIPTION             | PowerPC MPC5xx Microcontroller IC 32-Bit 56MHz 1MB (1M x 8) FLASH 388-PBGA (27x27)                  |
| DATA CONVERTERS                  | A/D 40x10b                                                                                          |
| CORE SIZE                        | 32-Bit                                                                                              |
| CORE PROCESSOR                   | PowerPC                                                                                             |
| CONNECTIVITY                     | CANbus, EBI/EMI, SCI, SPI, UART/USART                                                               |
| BASE PART NUMBER                 | MPC566                                                                                              |

Related Tags

|                                            |                                         |                                                |
|--------------------------------------------|-----------------------------------------|------------------------------------------------|
| NXP Semiconductors / Freescale MPC566CZP56 | MPC566CZP56 Distributor                 | MPC566CZP56 Supplier                           |
| MPC566CZP56 Price                          | MPC566CZP56 Pictures                    | MPC566CZP56 Image                              |
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| Freescale Semiconductor - NXP MPC566CZP56  | NXP USA Inc. MPC566CZP56                |                                                |

Related Products

|                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>MPC566MVR56</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 1MB FLASH 388BGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MPC5744P-144DS</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: DAUGHTER BOARD FOR MPC5744P<br/>In stock: 21 pcs<br/><div>RFQ</div></div>           |
|  <div><b>MPC566AVR56</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 1MB FLASH 388BGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MPC5744P-257DS</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: DAUGHTER CARD MPC5744P W SOCKET<br/>In stock: 7 pcs<br/><div>RFQ</div></div>        |
|  <div><b>MPC566CVR56</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 1MB FLASH 388BGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MPC566EVB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: KIT EVALUATION FOR MPC565/566<br/>In stock: Out stock<br/><div>RFQ</div></div>           |
|  <div><b>MPC566MZP56</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 1MB FLASH 388BGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MPC566GNEXUSADP</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: ADAPTER FOR FULL NEXUS<br/>In stock: Out stock<br/><div>RFQ</div></div>            |
|  <div><b>MPC566CVR40</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 1MB FLASH 388BGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MPC566AZP56</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 1MB FLASH 388BGA<br/>In stock: Out stock<br/><div>RFQ</div></div>         |
|  <div><b>MPC566CZP40</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 1MB FLASH 388BGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MPC567XKIT516-PT</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: EVALUATION KIT FOR QORIVVA MPC56<br/>In stock: Out stock<br/><div>RFQ</div></div> |